

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S7	2538	((118/728) or (156/345.51-345.53) or (204/298.11) or (204/298.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/09 12:07
S8	0	S7 and (trench with collect\$3 with (edge periph\$4))	US-PGPUB; USPAT	OR	ON	2005/04/30 21:36
S9	2	S7 and (trench with collect\$3)	US-PGPUB; USPAT	OR	ON	2005/04/30 21:17
S10	7	S7 and (cover with collect\$3)	US-PGPUB; USPAT	OR	ON	2005/04/30 21:23
S11	24	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support) with cover with collect\$3)	US-PGPUB; USPAT	OR	ON	2005/04/30 21:24
S12	29	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder) with cover with collect\$3)	US-PGPUB; USPAT	OR	ON	2005/05/01 15:34
S13	28	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder) with cover with collect\$3)	EPO; JPO; DERWENT	OR	ON	2005/04/30 21:35
S14	2422	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder) with cover)	EPO; JPO; DERWENT	OR	ON	2005/04/30 21:35
S15	0	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder) with cover with trench with (excess extra))	EPO; JPO; DERWENT	OR	ON	2005/04/30 21:36
S16	19	S7 and (trench with (edge periph\$4))	US-PGPUB; USPAT	OR	ON	2005/04/30 21:37
S17	2	S7 and (trench with (excess extra))	US-PGPUB; USPAT	OR	ON	2005/04/30 21:36
S18	10	("5271788" "5411624" "5529657" "5556500" "5660673" "5716486" "5904799" "6074488" "6096161" "6117349").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/04/30 21:48
S19	2	("6344105").URPN.	USPAT	OR	ON	2005/04/30 22:03
S20	4	((("5923521") or ("5668524") or ("5431737") or ("6281144"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/04/30 22:03
S21	1	("6344105").PN.	US-PGPUB; USPAT	OR	OFF	2005/05/01 15:21
S22	2	("6344105").URPN.	USPAT	OR	ON	2005/05/01 15:24
S23	11	((("5656093") or ("5897752") or ("6033480") or ("6063441") or ("6165276") or ("6231674") or ("6296747") or ("5923521") or ("5668524") or ("5431737") or ("6281144"))).PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 14:13
S24	104	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder chuck) with cover with electrostatic)	US-PGPUB; USPAT	OR	ON	2005/05/01 16:41
S25	88	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder chuck) with cover with electrostatic)	EPO; JPO; DERWENT	OR	ON	2005/05/01 15:34
S26	136	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder chuck) with cover\$3 with electrostatic)	EPO; JPO; DERWENT	OR	ON	2005/05/01 15:35
S27	136	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder chuck) with cover\$3 with electrostatic)	EPO; JPO; DERWENT	OR	ON	2005/05/01 16:41
S28	303	((substrate wafer workpiece semiconductor) with (susceptor pedest al pedestal table support holder chuck) with cover\$3 with electrostatic)	US-PGPUB; USPAT	OR	ON	2005/05/01 15:35
S29	13	((substrate wafer workpiece semiconductor) with ((susceptor* pedest al pedestal table support holder chuck) adj cover\$3) with electrostatic)	US-PGPUB; USPAT	OR	ON	2005/05/01 16:40

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S30	78	("4645218").URPN.	USPAT	OR	ON	2005/05/01 15:38
S31	86	("20020029745" "3993509" "4115036" "4184188" "4384918" "4412133" "4457359" "4480284" "4502094" "4520421" "4554611" "4603466" "4645218" "4665463" "4692836" "4724510" "4832781" "4848536" "4938992" "5103367" "5166856" "5179498" "5184398" "5267607" "5271788" "5275683" "5292399" "5315473" "5325261" "5330607" "5345999" "5384682" "5411624" "5436790" "5444597" "5452177" "5460684" "5474614" "5528451" "5535090" "5535507" "5556500" "5560780" "5561585" "5573596" "5583736" "5606485" "5612850" "5631803" "5634266" "5636098" "5644467" "5646814" "5716534" "5740009" "5748434" "5754391" "5812362" "5822171" "5822172" "5835333" "5865896" "5880923" "5891348" "5919332" "5942039" "5969934" "6023405" "6024826" "6033478" "6039836" "6074488" "6079356" "6095083" "6143144" "6165311" "6210486" "6238588" "6245190" "6277237" "6278600" "6284093" "6328808" "6344105" "6362946" "6364957").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/01 16:14
S32	4	("4184188" "4384918" "4502094" "4554611").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/01 16:37
S33	5	((substrate wafer workpiece semiconductor) with ((susceptor pedestal pedestal table support holder chuck) adj cover\$3) with electrostatic).	EPO; JPO; DERWENT	OR	ON	2005/05/01 16:40
S34	48	(US-20030089457-\$ or US-20030211757-\$ or US-20040040663-\$ or US-20040089542-\$ or US-20040200412-\$ or US-20040226516-\$ or US-20050000449-\$ or US-20050005859-\$).did. or (US-5188501-\$ or US-5529657-\$ or US-5556500-\$ or US-5885425-\$ or US-6096161-\$ or US-6113736-\$ or US-6117349-\$ or US-6201208-\$ or US-6222161-\$ or US-6235146-\$ or US-6344105-\$ or US-6623597-\$ or US-6682603-\$ or US-6797131-\$ or US-6656093-\$ or US-6668524-\$ or US-4645218-\$ or US-5280156-\$ or US-5486975-\$ or US-5560780-\$ or US-5581874-\$ or US-5606485-\$ or US-5729423-\$ or US-5801915-\$ or US-5942039-\$ or US-6159299-\$).did. or (US-6554954-\$ or US-4665463-\$ or US-5275683-\$ or US-5636098-\$ or US-6033478-\$ or US-6039836-\$ or US-6284093-\$ or US-6813134-\$).did. or (GB-2401722-\$ or EP-171011-\$ or JP-06204180-\$ or JP-07335732-\$ or JP-2004253402-\$ or US-20040040665-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/05/01 17:04
S35	296	S28 not S34	US-PGPUB; USPAT	OR	ON	2005/05/01 17:04
S36	14	("5777838").URPN.	USPAT	OR	ON	2005/05/01 17:17
S37	14	("5777838").URPN.	USPAT	OR	ON	2005/05/01 17:19
S38	1	("5905626").URPN.	USPAT	OR	ON	2005/05/01 17:23
S39	13	("4480284" "5055964" "5073716" "5099571" "5151845" "5463526" "5467249" "5535090" "5535507" "5560780" "5572398" "5656903" "5691876").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/01 17:23
S40	14	118/726.ccls. and ((cover) with (pedestal pedestal chuck susceptor holder table))	US-PGPUB; USPAT	OR	ON	2005/08/22 18:08
S41	10	118/726.ccls. and ((trench channel) with (pedestal pedestal chuck susceptor holder table))	US-PGPUB; USPAT	OR	ON	2005/08/22 18:08
S42	944	((204/298.11) or (204/298.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/23 17:09
S43	215	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) same ((shield\$3 cover\$3) near1 (support\$3 hold\$3 susceptor chuck pedestal pedestal table))	US-PGPUB; USPAT	OR	ON	2005/08/23 17:19

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S44	3	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) same ((shield\$3 cover\$3) near1 (support\$3 hold\$3 susceptor chuck pedestal pedestal table)) same (stainless with steel)	US-PGPUB; USPAT	OR	ON	2005/08/23 17:12
S45	4	("6030509").URPN.	USPAT	OR	ON	2005/08/23 17:15
S46	6	("5096536" "5725740" "5736021" "5810931" "5843520" "5873983").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 17:15
S47	14	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) same ((shield\$3 cover\$3) near1 (support\$3 hold\$3 susceptor chuck pedestal pedestal table)) same (crevice channel trough groove).	US-PGPUB; USPAT	OR	ON	2005/08/23 17:17
S48	77	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) same (((shield\$3 cover\$3) near1 (support\$3 hold\$3 susceptor chuck pedestal pedestal table)) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/23 17:33
S49	4	("4632719" "5698036" "5863843" "5879128").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 17:24
S50	46	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) and (((shield\$3 cover\$3) near1 (support\$3 hold\$3 susceptor chuck pedestal pedestal table)) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:42
S51	23	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) and (surface with (groove trench crevice) with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:43
S52	24	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) and (surface with (groove trench crevice canal pit) with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:43
S53	37	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) and (surface with (groove trench crevice canal pit hollow\$3) with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:51
S54	75	(c23c016\$.ipc.) and (surface with (groove trench crevice canal pit hollow\$3) with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:52
S55	56	(c23c014\$.ipc.) and (surface with (groove trench crevice canal pit hollow\$3) with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:51
S56	118	S54 S55	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:52
S57	4	(c23c016\$.ipc.) and (surface and (groove trench crevice canal pit hollow\$3) and collect\$3 and (support\$3 hold\$3 susceptor chuck pedestal pedestal table) and (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:56
S58	3	(c23c014\$.ipc.) and (surface and (groove trench crevice canal pit hollow\$3) and collect\$3 and (support\$3 hold\$3 susceptor chuck pedestal pedestal table) and (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:53
S59	4900	S57 a7	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:53
S60	7	S57 S58	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:53
S61	2	(118/715-733.ccls. 204/298\$.ccls.) and (surface and (groove trench crevice canal pit hollow\$3) and collect\$3 and (support\$3 hold\$3 susceptor chuck pedestal pedestal table) and (wafer substrate workpiece semiconductor))	EPO; JPO; DERWENT	OR	ON	2005/08/23 17:58

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S62	711	(118/715-733.ccls. 204/298.\$ccls.) and (surface and (groove trench crevice canal pit hollow\$3) and collect\$3 and (support\$3 hold\$3 susceptor chuck pedestal pedestal table) and (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/23 17:58
S63	3	(118/715-733.ccls. 204/298.\$ccls.) and (surface with (groove trench crevice canal pit hollow\$3) with collect\$3 with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/23 17:58
S64	24	(surface with (groove trench crevice canal pit hollow\$3) with collect\$3 with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/23 18:08
S65	8	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) and ((groove trench crevice canal pit hollow\$3) with collect\$3 with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/23 18:03
S66	1	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) and ((build adj up) with collect\$3 with (support\$3 hold\$3 susceptor chuck pedestal pedestal table) with (wafer substrate workpiece semiconductor))	US-PGPUB; USPAT	OR	ON	2005/08/23 18:04
S67	0	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) same ((build\$3 adj up) with collect\$3 with (support\$3 hold\$3 susceptor chuck pedestal pedestal table))	US-PGPUB; USPAT	OR	ON	2005/08/23 18:05
S68	115	((build\$3 adj up) with collect\$3 with (support\$3 hold\$3 susceptor chuck pedestal pedestal table))	US-PGPUB; USPAT	OR	ON	2005/08/23 18:07
S69	12	((build\$3 adj up) with collect\$3 with (support\$3 hold\$3 susceptor chuck pedestal pedestal table)) same (coat\$3 deposit\$3).	US-PGPUB; USPAT	OR	ON	2005/08/23 18:07
S70	1840	((118/728) or (156/345.51-345.53)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/23 18:06
S71	0	S68 and S70	US-PGPUB; USPAT	OR	ON	2005/08/23 18:08
S72	1677	S70 not S42	US-PGPUB; USPAT	OR	ON	2005/08/23 18:08
S73	4	(surface with (groove trench crevice canal pit hollow\$3) with collect\$3) and S72	US-PGPUB; USPAT	OR	ON	2005/08/23 18:10
S74	569	(sputter\$3 spatter\$3 (physical with vapor with deposit\$4)) and S72	US-PGPUB; USPAT	OR	ON	2005/08/23 18:10
S75	128	((shield\$3 cover\$3) near1 (support\$3 hold\$3 susceptor chuck pedestal pedestal table)) and S72	US-PGPUB; USPAT	OR	ON	2005/08/23 18:11
S76	2	("5078851" "5147497").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 18:15
S77	60	("5275683").URPN.	USPAT	OR	ON	2005/08/23 18:16
S78	0	("6531686").URPN.	USPAT	OR	ON	2005/08/23 18:33
S79	7	("5275683" "5376213" "5556476" "5606485" "5625526" "5698062" "6104596").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 18:34
S80	2	("5078851" "5147497").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 18:35
S81	4	("4632719" "5698036" "5863843" "5879128").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/23 18:50
S82	1	("5554266").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 10:43

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S83	84	(US-20010039161-\$ or US-20030089457-\$ or US-20030164226-\$ or US-20030211757-\$ or US-20040040663-\$ or US-20040089542-\$ or US-20040094095-\$ or US-20040200412-\$ or US-20040226516-\$ or US-20040229477-\$ or US-20050000449-\$ or US-20050005859-\$).did. or (US-4645218-\$ or US-4665463-\$ or US-5103367-\$ or US-5188501-\$ or US-5252134-\$ or US-5275683-\$ or US-5280156-\$ or US-5460684-\$ or US-5463526-\$ or US-5486975-\$ or US-5505782-\$ or US-5529657-\$ or US-5556500-\$ or US-5560780-\$ or US-5581874-\$ or US-5589003-\$ or US-5591269-\$ or US-5606485-\$ or US-5631803-\$ or US-5634266-\$ or US-5636098-\$ or US-5656093-\$ or US-5668524-\$ or US-5688358-\$ or US-5698037-\$ or US-5729423-\$).did. or (US-5777838-\$ or US-5801915-\$ or US-5885425-\$ or US-5886863-\$ or US-5895549-\$ or US-5905626-\$ or US-5942039-\$ or US-6030509-\$ or US-6033478-\$ or US-6039836-\$ or US-6051815-\$ or US-6074488-\$ or US-6096161-\$ or US-6113736-\$ or US-6117246-\$ or US-6117349-\$ or US-6159299-\$ or US-6201208-\$ or US-6222161-\$ or US-6235146-\$ or US-6243251-\$ or US-6284093-\$ or US-6344105-\$ or US-6350698-\$ or US-6531686-\$ or US-6554954-\$ or US-6623597-\$).did. or (US-6682603-\$ or US-6797131-\$ or US-6813134-\$ or US-6839217-\$ or US-6863281-\$).did. or (JP-59052834-\$).did. or (EP-171011-\$ or JP-03013577-\$ or JP-06204180-\$ or JP-07335732-\$ or US-5589003-\$ or US-6030509-\$ or EP-1115140-\$ or JP-2002009002-\$ or KR-2002061878-\$ or US-20040040665-\$ or JP-2004253402-\$ or GB-2401722-\$ or KR-2004100712-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2005/08/24 10:50
S84	7	S83 and pad	US-PGPUB; USPAT	OR	ON	2005/08/24 10:51
S85	2621	((118/728) or (156/345.51-345.53) or (204/298.11) or (204/298.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/24 13:51
S86	50	S85 and ((stainless with steel) and pad)	US-PGPUB; USPAT	OR	ON	2005/08/24 10:55
S87	55	("5656093").URPN.	USPAT	OR	ON	2005/08/24 11:00
S88	6	("5841624").URPN.	USPAT	OR	ON	2005/08/24 11:05
S89	20	("3571678" "4184188" "4213698" "4384918" "4412133" "4480284" "4502094" "4520421" "4551192" "4897171" "5155652" "5191506" "5207437" "5413360" "5522131" "5539179" "5560780" "5583736" "5656093" "5745332").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:06
S90	19	S85 and ((channel groove crevice) with (collect\$3))	US-PGPUB; USPAT	OR	ON	2005/08/24 11:40
S91	8	("5352294" "5494523" "5516367" "5632873" "5645646" "5904779" "5935338" "5935397").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:38
S92	7	("6146504").URPN.	USPAT	OR	ON	2005/08/24 11:39
S93	297	S85 and ((channel groove crevice) with (peripher\$4 circumfer\$6))	US-PGPUB; USPAT	OR	ON	2005/08/24 11:41
S94	345	S85 and ((channel groove crevice) with (outside peripher\$4 circumfer\$6))	US-PGPUB; USPAT	OR	ON	2005/08/24 11:42
S95	153	S85 and ((channel groove crevice) with (outside peripher\$4 circumfer\$6) with surface)	US-PGPUB; USPAT	OR	ON	2005/08/24 11:42
S96	78	S85 and ((support\$3 hold\$3 table susceptor chuck pedestal pedestal) with (channel groove crevice) with (outside peripher\$4 circumfer\$6) with surface)	US-PGPUB; USPAT	OR	ON	2005/08/24 11:43

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S97	10	("5271788" "5411624" "5529657" "5556500" "5660673" "5716486" "5904799" "6074488" "6096161" "6117349").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 11:59
S98	2	("6344105").URPN.	USPAT	OR	ON	2005/08/24 12:00
S99	3	("5474649" "5789324" "6344105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:00
S10 0	0	("6623597").URPN.	USPAT	OR	ON	2005/08/24 12:01
S10 1	7	("5275683" "5376213" "5556476" "5606485" "5625526" "5698062" "6104596").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:02
S10 2	0	("6531686").URPN.	USPAT	OR	ON	2005/08/24 12:03
S10 3	11	("20020162629" "5238499" "5374594" "5761023" "5841623" "6175485" "6254745" "6310755" "6364958" "6383954" "6416634").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:05
S10 4	0	("6682603").URPN.	USPAT	OR	ON	2005/08/24 12:06
S10 5	5	("5178739" "5614071" "6149784" "6394023" "6428663").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:14
S10 6	251	(wafer substrate semiconductor workpiece) with (cover\$3 shield\$3 protect\$3) with (detach\$4 remov\$4 replac\$4) with (collect\$3 build\$3up)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:16
S10 7	16	(118/715-733.cds: 204/298.\$cds. "427"/\$.cds.) and (wafer substrate semiconductor workpiece) with (cover\$3 shield\$3 protect\$3) with (detach\$4 remov\$4 replac\$4) with (collect\$3 build\$3up)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:20
S10 8	1	(c23c016\$.ipc. c23c014\$.ipc.) and (wafer substrate semiconductor workpiece) with (cover\$3 shield\$3 protect\$3) with (detach\$4 remov\$4 replac\$4) with (collect\$3 build\$3up)	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:20
S10 9	2006	(wafer substrate semiconductor workpiece) with (cover\$3 shield\$3 protect\$3) with (detach\$4 remov\$4 replac\$4) with (support\$3 susceptor hold\$3 table chuck pedestal pedestal)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:21
S11 0	4	(wafer substrate semiconductor workpiece) with (cover\$3 shield\$3 protect\$3) with (detach\$4 remov\$4 replac\$4) with (support\$3 susceptor hold\$3 table chuck pedestal pedestal) with (recess\$3 groov\$3) with collect\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:23
S11 1	28	(wafer substrate semiconductor workpiece) same (cover\$3 shield\$3 protect\$3) same (detach\$4 remov\$4 replac\$4) same (support\$3 susceptor hold\$3 table chuck pedestal pedestal) same (recess\$3 groov\$3) with collect\$3	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:27
S11 2	2	(wafer substrate semiconductor workpiece) same (cover\$3 shield\$3 protect\$3) same (detach\$4 remov\$4 replac\$4) same (support\$3 susceptor hold\$3 table chuck pedestal pedestal) same (recess\$3 groov\$3) with collect\$3	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:25
S11 3	11	S85 and ((support\$3 susceptor hold\$3 table chuck pedestal pedestal) same (recess\$3 groov\$3) with collect\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:41
S11 4	7	S85 and ((surface) same (recess\$3 groov\$3) with collect\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:30
S11 5	5	S85 and ((surface) with (recess\$3 groov\$3) with collect\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:31
S11 6	4827163	(c23c016\$.ipc. c23c014\$.ipc.) and (surface) and (recess\$3 groov\$3) and collect\$3 (support\$3 susceptor hold\$3 table chuck pedestal pedestal)	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:33

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S11 7	3491653	(c23c016\$.ipc. c23c014\$.ipc.) and (surface) and (recess\$3 groov\$3) and collect\$3 (support\$3 susceptor hold\$3 table chuck pedestal pedestal)	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:33
S11 8	10	(c23c016\$.ipc. c23c014\$.ipc.) and (surface) and (recess\$3 groov\$3) and collect\$3 and (support\$3 susceptor hold\$3 table chuck pedestal pedestal)	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:36
S11 9	2994	(surface) same (recess\$3 groov\$3) same collect\$3 same (support\$3 susceptor hold\$3 table chuck pedestal pedestal)	US-PGPUB; USPAT	OR	ON	2005/08/24 12:37
S12 0	486	(surface) with (recess\$3 groov\$3) with collect\$3 with (support\$3 susceptor hold\$3 table chuck pedestal pedestal)	US-PGPUB; USPAT	OR	ON	2005/08/24 12:37
S12 1	153	((surface) with (recess\$3 groov\$3) with collect\$3 with (support\$3 susceptor hold\$3 table chuck pedestal pedestal)) and (coat\$3 deposit)	US-PGPUB; USPAT	OR	ON	2005/08/24 12:37
S12 2	14	((surface) with (recess\$3 groov\$3) with collect\$3 with (support\$3 susceptor hold\$3 table chuck pedestal pedestal)) same(coat\$3 deposit)	US-PGPUB; USPAT	OR	ON	2005/08/24 12:38
S12 3	14	((surface) with (recess\$3 groov\$3) with collect\$3 with (support\$3 susceptor hold\$3 table chuck pedestal pedestal)) same (coat\$3 deposit)	US-PGPUB; USPAT	OR	ON	2005/08/24 12:39
S12 4	141	S85 and (((circumfer\$4 peripher\$4) with (surface) with (recess\$3 groov\$3))	US-PGPUB; USPAT	OR	ON	2005/08/24 12:41
S12 5	24	S85 and (((circumfer\$4 peripher\$4) with (surface) with (recess\$3 groov\$3)) same (cover\$3 shield\$4 protect\$3))	US-PGPUB; USPAT	OR	ON	2005/08/24 12:49
S12 6	11	("20020162629" "5238499" "5374594" "5761023" "5841623" "6175485" "6254745" "6310755" "6364958" "6383954" "6416634").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 12:45
S12 7	0	("6682603").URPN.	USPAT	OR	ON	2005/08/24 12:46
S12 8	0	("2004/0226516").URPN.	USPAT	OR	ON	2005/08/24 12:48
S12 9	4374	((((circumfer\$4 peripher\$4) with (surface) with (recess\$3 groov\$3)) same (cover\$3 shield\$4 protect\$3))	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:50
S13 0	2	c23c016\$.ipc. and (((circumfer\$4 peripher\$4) with (surface) with (recess\$3 groov\$3)) same (cover\$3 shield\$4 protect\$3))	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:51
S13 1	9	c23c016\$.ipc. and (((circumfer\$4 peripher\$4) same (surface) same (recess\$3 groov\$3)) same (cover\$3 shield\$4 protect\$3))	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:53
S13 2	20	c23c016\$.ipc. and (((circumfer\$4 peripher\$4) same (recess\$3 groov\$3)) same (cover\$3 shield\$4 protect\$3))	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:56
S13 3	11	S132 not S131	EPO; JPO; DERWENT	OR	ON	2005/08/24 12:53
S13 4	50	((circumfer\$4 peripher\$4) same (recess\$3 groov\$3) same (cover\$3 shield\$4 protect\$3) same collect\$3 same (support\$3 susceptor hold\$3 table chuck pedestal pedestal))	EPO; JPO; DERWENT	OR	ON	2005/08/24 13:31
S13 5	1	("6623597").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 13:31
S13 6	3	("5474649" "5789324" "6344105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:31
S13 7	5	("4793975" "4975327" "5001327" "5246532" "5316620").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:32
S13 8	26	("5474649").URPN.	USPAT	OR	ON	2005/08/24 13:33
S13 9	3	("5474649" "5789324" "6344105").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:36

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S14 0	10	("5271788" "5411624" "5529657" "5556500" "5660673" "5716486" "5904799" "6074488" "6096161" "6117349").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:36
S14 1	371	S85 and (cover\$3 with (side side\$1wall))	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:41
S14 2	78	S85 and (cover\$3 with (side side\$1wall) with (prevent\$3 protect\$3 prohibit\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:42
S14 3	13	("3179213" "4078812" "4167351" "4668373" "5066381" "5074456" "5161908" "5178681" "5238499" "5257872" "5269894" "5494523").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:43
S14 4	12	("3663788" "4703153" "4778559" "5231690" "5252807" "5280156" "5306895" "5350720" "5354387" "5558717" "5705080" "5720818").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:50
S14 5	944	((204/298.11) or (204/298.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/08/24 13:51
S14 6	2	S145 and ((channel recess groove) with collect\$3 with (circumfer\$4 peripher\$4))	US-PGPUB; USPAT	OR	ON	2006/08/08 12:14
S14 7	8	("5352294" "5494523" "5516367" "5632873" "5645646" "5904779" "5935338" "5935397").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:52
S14 8	7	("6146504").URPN.	USPAT	OR	ON	2005/08/24 13:54
S14 9	1	("6315878").URPN.	USPAT	OR	ON	2005/08/24 13:54
S15 0	12	("5352294" "5384008" "5494523" "5516367" "5632873" "5645646" "5834737" "5888304" "5904779" "5935338" "5935397" "6146504").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/08/24 13:54
S15 1	60	S145 and ((channel recess groove) with (circumfer\$4 peripher\$4))	US-PGPUB; USPAT	OR	ON	2005/08/24 13:55
S15 2	18	daniel-timothy-j.in. buckfeller-joseph-w.in. "clabough-craig-g.in", collier-donald-w.in.	US-PGPUB; USPAT	OR	ON	2005/08/24 14:14
S15 3	18	daniel-timothy-j.in. buckfeller-joseph-w.in. clabough-craig-g.in. collier-donald-w.in.	US-PGPUB; USPAT	OR	ON	2005/08/24 14:17
S15 4	1	("5841624").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 15:44
S15 5	1	("5656093").PN.	US-PGPUB; USPAT	OR	OFF	2005/08/24 15:44
S15 6	712	118/718.ccls.	US-PGPUB; USPAT	OR	ON	2005/08/24 19:17
S15 7	268	118/718.ccls. and (electrode anode cathode)	US-PGPUB; USPAT	OR	ON	2005/08/24 19:17
S15 8	5	("4437324").URPN.	USPAT	OR	ON	2005/08/24 19:21
S15 9	8	118/718.ccls. and karla and moore	USPAT	OR	ON	2006/01/25 12:49

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S16 0	100	(US-20010039161-\$ or US-20010045262-\$ or US-20030089457-\$ or US-20030164226-\$ or US-20030211757-\$ or US-20040040663-\$ or US-20040089542-\$ or US-20040094095-\$ or US-20040200412-\$ or US-20040226516-\$ or US-20040229477-\$ or US-20050000449-\$ or US-20050005859-\$ or US-20050061447-\$).did. or (US-3959104-\$ or US-4502094-\$ or US-4551192-\$ or US-4645218-\$ or US-4665463-\$ or US-5103367-\$ or US-5188501-\$ or US-5252134-\$ or US-5275683-\$ or US-5280156-\$ or US-5460684-\$ or US-5463526-\$ or US-5474649-\$ or US-5486975-\$ or US-5505782-\$ or US-5529657-\$ or US-5556500-\$ or US-5560780-\$ or US-5581874-\$ or US-5589003-\$ or US-5591269-\$ or US-5606485-\$ or US-5631803-\$ or US-5634266-\$ or US-5636098-\$ or US-5656093-\$).did. or (US-5668524-\$ or US-5688358-\$ or US-5698037-\$ or US-5729423-\$ or US-5745332-\$ or US-5761023-\$ or US-5777838-\$ or US-5801915-\$ or US-5825607-\$ or US-5841624-\$ or US-5885425-\$ or US-5886863-\$ or US-5895549-\$ or US-5903428-\$ or US-5905626-\$ or US-5942039-\$ or US-6030509-\$ or US-6033478-\$ or US-6039836-\$ or US-6051815-\$ or US-6074488-\$ or US-6096161-\$ or US-6106630-\$ or US-6113736-\$ or US-6117246-\$ or US-6117349-\$ or US-6146504-\$).did. or (US-6159299-\$ or US-6201208-\$ or US-6222161-\$ or US-6235146-\$ or US-6243251-\$ or US-6284093-\$ or US-6315878-\$ or US-6344105-\$ or US-6350698-\$ or US-6490145-\$ or US-6531686-\$ or US-6554954-\$ or US-6623597-\$ or US-6682603-\$ or US-6797131-\$ or US-6813134-\$ or US-6835415-\$ or US-6839217-\$ or US-6863281-\$).did. or (JP-59052834-\$).did. or (EP-171011-\$ or JP-03013577-\$ or JP-06204180-\$ or JP-07335732-\$ or US-5589003-\$ or US-6030509-\$ or EP-1115140-\$ or JP-2002009002-\$ or KR-2002061878-\$ or US-20040040665-\$ or JP-2004253402-\$ or GB-2401722-\$ or KR-2004100712-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/01/25 12:49
S16 1	1	("6797109").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/08 11:46
S16 2	24	("5437757" "5447570" "5635244" "5641375" "5643394" "5656122" "5707485" "5788799" "5803977" "5805408" "5830808" "5891348" "5920797" "5922133" "6013155" "6051122" "6055927" "6070551" "6117349" "6158384" "6165271" "6200388" "6221782" "6406545").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 11:48
S16 3	0	("6797109").URPN.	USPAT	OR	ON	2006/08/08 11:50
S16 4	32	("5252134").URPN.	USPAT	OR	ON	2006/08/08 12:12
S16 5	917	samsung.as. and jun.in.	USPAT	OR	ON	2006/08/08 12:13
S16 6	28	samsung.as. and jun.in. and wafer and hold\$3	USPAT	OR	ON	2006/08/08 12:13
S16 7	46	samsung.as. and jun.in. and wafer and hold\$3	US-PGPUB; USPAT	OR	ON	2006/08/08 12:13
S16 8	9	samsung.as. and jun.in. and wafer and hold\$3 and groove	US-PGPUB; USPAT	OR	ON	2006/08/08 12:13
S16 9	971	((204/298.11) or (204/298.15)).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/08/08 12:14
S17 0	377	S169 and ((channel recess groove))	US-PGPUB; USPAT	OR	ON	2006/08/08 12:14
S17 1	19	("5486975").URPN.	USPAT	OR	ON	2006/08/08 12:19

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S17 2	0	("6944006").URPN.	USPAT	OR	ON	2006/08/08 12:22
S17 3	19	("5326725" "5376180" "5463525" "5486975" "5636098" "5740009" "5748434" "5762714" "5942042" "6039836" "6074488" "6077353" "6195246" "6284093" "6296747" "6364957" "6500315" "6554954" "6689249").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 12:22
S17 4	19	("5486975").URPN.	USPAT	OR	ON	2006/08/08 12:25
S17 5	3	("5452177" "5484485" "5486975").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 12:27
S17 6	5	("5405480" "5609691" "5630917" "5803977" "5863340").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 12:35
S17 7	9	("5942042").URPN.	USPAT	OR	ON	2006/08/08 12:36
S17 8	7	("4962727" "5556500" "5942042" "6074518" "6080287" "6287435" "6464794").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 12:39
S17 9	1	("6620736").URPN.	USPAT	OR	ON	2006/08/08 12:41
S18 0	5	("5405480" "5609691" "5630917" "5803977" "5863340").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 12:42
S18 1	5	("5405480" "5609691" "5630917" "5803977" "5863340").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 12:42
S18 2	9	("5942042").URPN.	USPAT	OR	ON	2006/08/08 12:42
S18 3	8	("6077353").URPN.	USPAT	OR	ON	2006/08/08 12:52
S18 4	9	("5688358").URPN.	USPAT	OR	ON	2006/08/08 15:17
S18 5	8	("4844775" "5122251" "5292399" "5310453" "5356515" "5384008" "5401356" "5498313").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 15:19
S18 6	7	("5841624").URPN.	USPAT	OR	ON	2006/08/08 15:48
S18 7	3	"2000024437"	EPO; JPO; DERWENT	OR	ON	2006/08/08 15:48
S18 8	58	"0024437"	EPO; JPO; DERWENT	OR	ON	2006/08/08 15:49
S18 9	0	"024437"	EPO; JPO; DERWENT	OR	ON	2006/08/08 15:49
S19 0	2	"200024437"	EPO; JPO; DERWENT	OR	ON	2006/08/08 15:50
S19 1	0	("6531686").URPN.	USPAT	OR	ON	2006/08/08 15:54
S19 2	0	("6531686").URPN.	USPAT	OR	ON	2006/08/08 15:54
S19 3	7	("5275683" "5376213" "5556476" "5606485" "5625526" "5698062" "6104596").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 15:54
S19 4	1	("6623597").URPN.	USPAT	OR	ON	2006/08/08 15:55

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S19 5	19	("20020066727" "20030013315" "5683518" "5848889" "5882419" "5920797" "6133152" "6159299" "6176198" "6231674" "6280183" "6344105" "6344631" "6350320" "6383931" "6464794" "6497767" "6589352" "6623597").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 15:56
S19 6	8	("5920797").URPN.	USPAT	OR	ON	2006/08/08 15:58
S19 7	8	("5920797").URPN.	USPAT	OR	ON	2006/08/08 16:01
S19 8	6	("4512391" "4903754" "5445677" "5511608" "5574247" "5795215").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 16:01
S19 9	5	("6344105").URPN.	USPAT	OR	ON	2006/08/08 16:06
S20 0	1	("6620736").URPN.	USPAT	OR	ON	2006/08/08 16:44
S20 1	7	("4962727" "5556500" "5942042" "6074518" "6080287" "6287435" "6464794").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 16:57
S20 2	1775	(c23c016\$.ipc. c23f023\$.ipc. h01i021\$.ipc.) and ((cover\$3 with extend\$4) and (wafer substrate semiconductor workpiece))	EPO; JPO; DERWENT	OR	ON	2006/08/08 16:59
S20 3	154	(c23c016\$.ipc. c23f023\$.ipc. h01i021\$.ipc.) and ((cover\$3 with extend\$4 with (hold\$3 pedestal pedestal chuck esc susceptor table support\$3)) and (wafer substrate semiconductor workpiece))	EPO; JPO; DERWENT	OR	ON	2006/08/08 17:05
S20 4	1	("5275683").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/08 17:05
S20 5	60	("5275683").URPN.	USPAT	OR	ON	2006/08/08 17:05
S20 6	20	("5560780").URPN.	USPAT	OR	ON	2006/08/08 17:11
S20 7	19	("4384918" "4480284" "4645218" "4665463" "4832781" "5055964" "5104834" "5151845" "5166856" "5191506" "5250137" "5275683" "5280156" "5284549" "5290609" "5306895" "5324053" "5350479" "5382469").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 17:14
S20 8	14	("5969934").URPN.	USPAT	OR	ON	2006/08/08 17:34
S20 9	6	("5384682" "5663865" "5708557" "5909354" "5969934" "6122159").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 17:36
S21 0	8	("4537244" "5131460" "5421401" "5605866" "5725718" "5842690" "5885428" "5969934").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/08 17:39
S21 1	7099	(removeable removable replaceable replacable) with (susceptor support\$3 hold\$3 table) with cover\$3	US-PGPUB; USPAT	OR	ON	2006/08/09 12:09
S21 2	393	S211 same (wafer substrate workpiece semiconductor)	US-PGPUB; USPAT	OR	ON	2006/08/09 12:09
S21 3	2258	(removeable removable replaceable replacable) with (susceptor support\$3 hold\$3 table) with cover\$3	EPO; JPO; DERWENT	OR	ON	2006/08/09 12:09
S21 4	72	S213 same (wafer substrate workpiece semiconductor)	EPO; JPO; DERWENT	OR	ON	2006/08/09 12:47
S21 5	2	S214 and (sputter\$4 spatter\$4 physical)	EPO; JPO; DERWENT	OR	ON	2006/08/09 13:13
S21 6	1	("5863396").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/09 12:14

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S21 7	7	("5863396").URPN.	USPAT	OR	ON	2006/08/09 12:14
S21 8	7	("5863396").URPN.	US-PGPUB; USPAT	OR	ON	2006/08/09 12:14
S21 9	7	("4704306" "4830723" "4988424" "5154797" "5223108" "5380558" "5405652").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 12:14
S22 0	7	("5863396").URPN.	USPAT	OR	ON	2006/08/09 12:16
S22 1	5	("5117121" "5415753" "5656093" "5863396" "6030513").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 12:43
S22 2	1	("6214413").URPN.	USPAT	OR	ON	2006/08/09 12:43
S22 3	117	S212 and (sputter\$4 spatter\$4 physical)	US-PGPUB; USPAT	OR	ON	2006/08/09 13:13
S22 4	12	("4427516" "4491496" "4526644" "4612432" "4623417" "4693777" "4793975" "5223113" "5236151" "5252892" "5272417" "5366585").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 13:16
S22 5	52	("4793975").URPN.	USPAT	OR	ON	2006/08/09 13:18
S22 6	13	("4123571" "4439232" "4499354" "4507189" "4767666" "4793975" "5121705" "5443892" "5498442" "5614447" "5685906" "5886863" "5985024").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/08/09 13:33
S22 7	1	("5668524").PN.	US-PGPUB; USPAT	OR	OFF	2006/08/09 13:36
S22 8	7	("5668524").PN.	EPO; JPO; DERWENT	OR	OFF	2006/08/09 13:36